## MECHANICAL DATA

| | |
|---|---|
| Maximum Overall Length | 2.043 Inches |
| Maximum Overall Diameter | .814 Inches |
| Mounting Position | Any |

## ELECTRICAL DATA

### HEATER CHARACTERISTICS

| | |
|---|---|
| Heater Voltage (AC or DC) | 6.3 Volts |
| Heater Current | 135 Ma |

### DIRECT INTERELECTRODE CAPACITANCES

| | |
|---|---|
| Grid to Plate | 1.3 μμf Avg. |
| Grid to Cathode | 2.3 μμf Avg. |
| Plate to Cathode | .090 μμf Max. |

### RATINGS (Absolute Values)

| | | |
|---|---|---|
| Plate Dissipation | 5 Watts | Max. |
| Plate Voltage | 165 Volts | Max. |
| Plate Current | 31 Ma | Max. |
| Seal Temperature | 175° C | Max. |

### CHARACTERISTICS

Conditions ($E_b$=135, $R_k$=68 ohms)

| | |
|---|---|
| Transconductance | 6400 μmhos |
| Amplification Factor | 20 |

### TYPICAL OPERATING CONDITIONS

UHF Oscillator, CW — 1700 MC

| | |
|---|---|
| Plate Voltage | 120 Volts |
| Grid Resistor | Adjust for 25 Ma Plate Current |
| Operating Frequency | 1700 Mc |
| Power Output (minimum) | 300 MW |

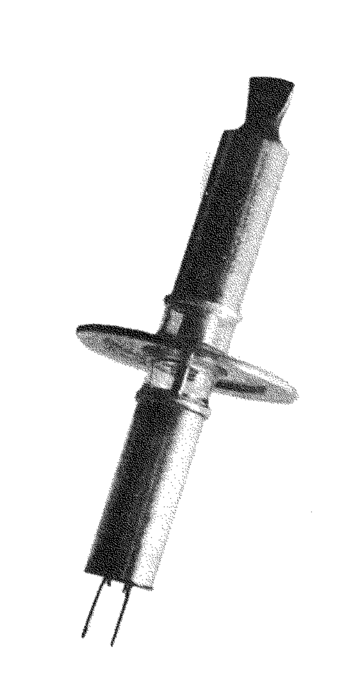
## APPLICATION DATA

The double ended construction of the Sylvania Type 5675 makes this tube especially attractive for use in coaxial type cavities at frequencies up to 3000 mc. The mechanical configuration also lends itself readily to lumped-constant and butterfly circuitry. However, coaxial cavities are recommended for operation above 1000 mc.

## QUICK REFERENCE DATA

The Sylvania Type 5675 is a medium mu pencil triode designed for service as a cw oscillator, frequency multiplier or grounded grid amplifier at frequencies up to 3000 mc.

The mechanical configuration is particularly adaptable to grounded grid circuitry.



SYLVANIA ELECTRIC PRODUCTS INC.

ELECTRONICS DIVISION
WOBURN, MASS.

*Prepared and Released By The*
*TECHNICAL PUBLICATIONS SECTION*
*EMPORIUM, PENNSYLVANIA*

12-53-59

SYLVANIA

# 5675

## OUTLINE DRAWING

